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Physics Abstracts

Science Abstracts Series A
July-December 1974

Author Index

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SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronics Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

Author index

This lists in alphabetical order all authors of papers abstracted in the abstracts journal during the six months covered by the index, together with the title of the paper. Where there are co-authors of a paper the title of the paper is given only under the name of the first author. The serial number of the paper in the abstracts journal is in the form 4-12345, ie 1974—abstract no. 12345.

'Small' indexes

These are specialised indexes which allow the user to find quickly particular types of information which might be difficult to find using the subject or author indexes.

Bibliography index

In this index reference is made to articles which contain a significant list of references or bibliography on the subjects listed.

Book index

This gives details of books received and abstracted by the abstracts journal.

Patent and Report indexes

These give details of those reports or patents which have been abstracted in the abstracts journal during the past six months.

Conference index

This index lists conferences for which published proceedings have been received and abstracted. Reference is given to the individual papers and their serial numbers in the abstracts journal.

Subject index

The Subject index provides an alphabetical subject key to the articles included in the abstracts journal. Some general guidance on its use is given below:

1. Look in the index for the name of the specific subject in which you are interested. In most cases this name will be a heading in the index and you will find relevant articles listed under it.
2. Occasionally you will be directed from the subject heading chosen to a different heading under which the relevant or additional articles are listed.
3. If you do not find the subject heading you first choose, try a more general heading.
4. Each entry under the heading relates to an article appearing in the abstracts journal and gives the serial number of that article in the journal preceded by the last digit of the current year, eg 4-12345; ie Abstract number 12345 in the abstracts journal for 1974.

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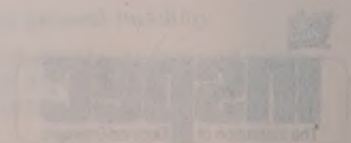
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Entry nos. 51209, 53796 and 53941 journal reference should read *Glass & Ceram. (USA)*, vol. 30, no. 3-4. . . . (March-April 1973)

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University of Bergen. Distribution address: Box 307, Blindern, Oslo 3, Norway

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ABU Technical Review Asian Broadcasting Union, Broadcasting Centre, 2-2-1 Jinnan, Shibuya-ku, Tokyo 150, Japan

ACEC Rev. (Belgium)

ACEC Review Ateliers de Constructions Electriques de Charleroi, ACEC-VPV, B.P.4, 6000 Marcinelle-Charleroi, Belgium

Acqua (Italy)

L'Acqua Associazione Idrotecnica Italiana, Via dei Sabini 7, 00187 Roma, Italy

Acta Astron. (Poland)

Acta Astronomica ARS Polona-Ruch, Warszawa 1, P.O. Box 154, Poland

Acta Astronaut. (GB)

Acta Astronautica Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Acta Cient. (Argentina)

Acta Cientifica Instituto de Investigaciones Cientificas y Tecnicas de las Fuerzas Armadas (CITEFA), Tres de Febrero 1250, San Martin, Buenos Aires, Argentina

Acta Crystallogr. A (Denmark)

Acta Crystallographica Section A: Crystal Physics, Diffraction, Theoretical and General Crystallography Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

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Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

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Acta Electronica 3 Avenue Descartes, BP 15, 94 450 Limcil-Brevannes, (Val-de-Marne), France

Acta Geophys. Pol. (Poland)

Acta Geophysica Polonica Export-Import Enterprise 'RUCH', ul. Wilcza 46, Warszawa 1, Poland

Acta Geophys. Sin. (China)

Acta Geophysica Sinica Chinese Academy of Sciences, Department of Geophysical Research, Peking, Peoples Republic of China

Acta Inf. (Germany)

Acta Informatica Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Acta Manilana A (Philippines)

Acta Manilana. Series A University of Santo Tomas Research Centre, Manila, Philippines

Acta Mech. (Austria)

Acta Mechanica Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Acta Metall. (USA)

Acta Metallurgica Box 1088 Schenectady, NY. Publisher: Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Acta Mex. Cienc. & Tecnol. (Mexico)

Acta Mexicana de Ciencia y Tecnologia Consejo Editorial del Instituto Politecnico Nacional, Prolongacion de Diaz Miron y Plan de San Luis, Mexico 17, D.F., Apartado Postal 42-61, Mexico

Acta Phys. & Chem. Szeged (Hungary)

Acta Physica et Chemica (Acta Universitatis Szegediensis) Szegedi Tudományegyetem Természettudományi Kara, Aradi Vértanúk Tere 1, Szeged, Hungary

Acta Phys. Acad. Sci. Hung. (Hungary)

Acta Physica Academiae Scientiarum Hungaricae Postafiók 24, Budapest 502. Subscription address: 'Kultura', Foreign Trade Company for Books and Newspapers, Fo utca 32, Budapest 1, Hungary

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Acta Physica Austriaca Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

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Acta Physica Sinica Chinese Academy of Sciences, Institute of Physics, Peking, Peoples Republic of China

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Acta Physica Slovaca VEDA Publishing House of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 27, Czechoslovakia

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Acta Physiologica Polonica Panstwowy Zaklad Wydawnictw Lekarskich, Warszawa, Ul. Długa 38-40, Poland

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Acta Politecnica Mexicana Instituto Politecnico Nacional, Apartado Postal 42-161, Mexico 17 D.F, Mexico

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Acta Polytechnica. Series III Elektrotechnicka fakulta CVUT v Praze, Technicka ul. 2, Praha 6-Dejvice, Czechoslovakia

Acta Polytech. Scand. (Finland)

Acta Polytechnica Scandinavica Finnish Academy of Technical Sciences, Lonnrotinkatu 37, 00180 Helsinki 18, Finland

Acta Radiol. Ther. Phys. Biol. (Sweden)

Acta Radiologica: Therapy Physics Biology Box 2052, S-103 12 Stockholm 2, Sweden

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Acta Technica Academiae Scientiarum Hungaricae Magyar Tudományos Akademia, Alkotmány utca 21, Budapest 5, Hungary

Acta Tech. CSAV (Czechoslovakia)

Acta Technica Ceskoslovenska Akademie Ved Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia. John Benjamins N.V., Periodical Trade, Warmoesstraat 54, Amsterdam, Netherlands

Acustica (Germany)

Acustica S. Hirzel Verlag K-G, Postfach 347, 7 Stuttgart-N, Germany

Adhes. Age (USA)

Adhesives Age Palmerton Publishing Co. Inc., 461 Eighth Avenue New York, NY 10001, USA

ADL-Nachr. (Germany)

ADL-Nachrichten 23 Kiel 14, Boldhorn 1a, Germany

Adv. Appl. Probab. (GB)

Advances in Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

Adv. Colloid & Interface Sci. (Netherlands)

Advances in Colloid and Interface Science Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Adv. Mol. Relaxation Processes (Netherlands)

Advances in Molecular Relaxation Processes Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Adv. Phys. (GB)

Advances in Physics Taylor & Francis Ltd., 10-14 Macklin Street London, WC2B 5NF, England

Adv. Polym. Sci. (Germany)

Advances in Polymer Science (Fortschritte der Hochpolymeren Forschung) Springer-Verlag, 1000 Berlin 33, Heidelberger Platz 3, Germany

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Advance University of Manchester, Bureau of Industrial Liaison, PO Box No. 88, Sackville Street, Manchester 1, England

AECL Res. & Dev. Eng. (Canada)

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Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

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Magazine of Concrete Research Cement and Concrete Association, 52 Grosvenor Gardens, London, SW1, England

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A number of these journals however are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are regularly abstracted. These journals are listed below.

Journals abstracted completely in Physics Abstracts

Acta Crystallogr. A (Denmark)	IEEE Trans. Nucl. Sci. (USA)	Optik (Germany)
Acta Crystallogr. B (Denmark)	Indian J. Phys.	Part. Accel. (GB)
Acta Metall. (USA)	Indian J. Pure & Appl. Phys.	Philos. Mag. (GB)
Acta Phys. Austriaca	Indian J. Theor. Phys.	Phys. Condens. Matter (Germany)
Acta Phys. Acad. Sci. Hung. (Hungary)	Int. J. Magn. (GB)	Phys. Fenn. (Finland)
Acta Phys. Pol. A (Poland)	Int. J. Solids & Struct. (GB)	Phys. Fluids (USA)
Acta Phys. Pol. B (Poland)	Int. J. Theor. Phys. (GB)	Phys. Lett. A (Netherlands)
Acta Phys. Sin. (China)	Izv. Akad. Nauk SSSR Ser. Fiz.	Phys. Lett. B (Netherlands)
Acustica (Germany)	Izv. VUZ Fiz. (USSR)	Phys. Norv. (Norway)
Adv. Phys. (GB)	J. Acoust. Soc. Am. (USA)	Phys. Rev. A (USA)
Akust. Zh. (USSR)	J. Appl. Crystallogr. (Denmark)	Phys. Rev. B (USA)
Am. J. Phys. (USA)	J. Appl. Phys. (USA)	Phys. Rev. C (USA)
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Astrofizika (USSR)	J. Phys. A (GB)	Prog. Theor. Phys. (Japan)
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Commun. ACM (USA)	IEEE Trans. Educ. (USA)	Microelectron. & Reliab. (GB)
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ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ě	R	Ё ё	sht	B	Ъ ъ
é	R	Э э	t	R S B	Т т
ê	R B	Ђ ђ	t'	R B	ТЬ ть
f	R S B	Ф ф	t'	S	Һ һ
g	R S B	Г г	th	R	Ө ө
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	ТС тс
ï	R B	Й й	u	R S B	У у
j	S	Ј ј	ū	B	Ћ ћ
j'	S	Ѓ ѓ	ū	B	Ќ ќ
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	Ј ј
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	Љ љ	ÿ	R	Ѹ Ѹ
l'	S	Љ љ	ya	R B	Ј я
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	Њ њ	zh	R S B	Ж ж
n'	S	Њ њ	'	R	Ї Ѽ
o	R S B	О о	'	R B	Ь ь

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